

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Michael L. Parson
Governor

Dru Buntin
Director

March 19, 2024

**FINANCIAL ASSISTANCE CENTER
FINDING OF NO SIGNIFICANT IMPACT/ENVIRONMENTAL ASSESSMENT**

TO: ALL INTERESTED GOVERNMENT AGENCIES AND PUBLIC GROUPS

In accordance with procedures for environmental review found at 10 CSR 60-13.030, a review has been performed on the proposed action below:

Project Identification: Drinking Water System Distribution Improvements

Applicant: City of Paris

Project No: DW291159-03

City: Paris

County: Monroe

State: Missouri

Estimated Project Amount: \$5,141,400

Potential State Revolving Fund (SRF) Amount: \$5,141,400

COMMUNITY DESCRIPTION:

Location: The City of Paris is located in northeastern Missouri in the heart of Monroe County at the junction of Highway 24, Highway 15, and Highway 154. The city is approximately 24 miles east of the City of Moberly, Missouri.

Population, Present and Projected, and Design Year: The city serves a population of approximately 1,293 people with an average daily water demand of 74,038 gallons per day (gpd) with a max day demand of 94,755 gpd. Twenty-year growth forecasts approximately 1,261 people with an average daily water demand of 75,660 gpd and a max day demand of approximately 96,830 gpd.

Current Methods of Supply, Storage, Water Treatment, and Distribution: The distribution system consists of approximately 15 miles of water mains, which range from 1 to 8 inches in diameter. The city purchases water from the Clarence Cannon Wholesale Water Commission. There is one storage facility: a 334,000-gallon storage tower/clearwell. There are three pumps within the basement of the old water plant. The plant itself is no longer in use.



PROJECT DESCRIPTION:

Distribution Improvements: The project will consist of the construction of approximately 6,800 feet of 8-inch and 22,300 feet of 6-inch polyvinyl chloride (PVC) pipe, valves, and appurtenances. These water mains will increase system pressures under static conditions and provide greater reliability in the system. The project will also include replacement of all active customer water meters.

Purpose and Need: The purpose of the project is to make the necessary improvements to enable the city to operate a water system that meets drinking water quality standards and provide reliable water service, both now and within the city's planning period. The improvements are proposed to increase system pressures under static conditions and to provide greater reliability in the system.

Design Factors: Work will be performed in right-of-ways, easements, and on property owned by the water system. Construction activity will consist of boring, trenching, digging, and movement of machinery over the surface. The design standards used in this project are based on the 2013 Minimum Design Standards for Missouri Community Water Systems.

The total construction cost for the proposed improvements including engineering and administrative costs is approximately \$5,141,400.

ALTERNATIVES CONSIDERED:

- No Action (Not Selected): This alternative would require the city to continue to operate and maintain the existing system to provide water service to its customers. This alternative would not address the system pressures or reliability.
- Action Alternative No. 1 (Selected): This action alternative will replace and upgrade water lines throughout the city and separates them into four phases by priority. The first phase will include 674 linear feet of 8-inch PVC water main from the water tower west and then south to Electric Street; 920 linear feet of 8-inch PVC water main from the water tower east to Seminary Street; 1,381 linear feet of 6-inch PVC water main from the south end of Rock Road north to Louise Street; 1,121 linear feet of 8-inch PVC and 1,100 linear feet of 6-inch PVC from Rock Road east to Cleveland Street to create a loop in the southwest part of the city; 1,540 linear feet of 6-inch PVC line on Fair Street from Locust Street to Cooper Avenue, on Cooper Avenue from Fair Street to Seminary Street, and on Seminary Street from Cooper Avenue to Locust Street; and 1,339 linear feet of 6-inch PVC line on Combs Street from Ruby Street to St. Elmo Street and on St. Elmo Street from Combs Street to South Washington Street.

The second phase will include 1,314 linear feet of 6-inch PVC line on Ruby Street from Combs Street to Highway 15 and South Washington Street from Ruby Street to McBride Street; 1,749 linear feet of 6-inch PVC line on Cooper Avenue from Highway 15 to Seminary Street; and 1,017 linear feet of 6-inch PVC line on Locust Street from Basket Street to the Park grandstands.

The third phase will include 1,603 linear feet of 6-inch PVC line on Cleveland Street from Highway 154 north to the elementary school; 2,429 linear feet of 6-inch PVC line on McMurry Street from Robinhood Road to Pitts Street then on Pitts Street from McMurry Street to St. Elmo Street; 438 linear feet of 6-inch PVC line on South Washington Street from McMurry Street to W Hickory Street; 1,638 linear feet of 6-inch PVC line on Bryan Avenue from Pelsue Street to North Street; 2,024 linear feet of 6-inch PVC line on Fairview Avenue from South Street to North Street; and 573 linear feet of 6-inch PVC line on Bodine Street from Highway 15 eastward.

The fourth phase will include 1,170 linear feet of 8-inch PVC line on Rock Road from Maxwell Street north to Brookview Drive then east on Brookview Drive to Seminary Street; 2,013 linear feet of 8-inch PVC line from the west side of Seminary Street at Brookview Drive south to the elementary school; 702 linear feet of 8-inch PVC line from Locust Street south to Brookview Drive east of Dawson Drive and 306 linear feet of 6-inch PVC line on Dawson Drive from Rock Road to the newly constructed 8-inch PVC line; 3,700 linear feet of 8-inch PVC line from Cleveland Street at the elementary school east to South Street; 170 linear feet of 6-inch PVC on Grigsby Street from Hickory Street southward; and 153 linear feet of 8-inch PVC line on Locust Street and Electric Street in the northwest part of the city.

REASONS FOR SELECTION OF PROPOSED ALTERNATIVES

Selected Actions: Action Alternative No. 1 was selected over the other alternatives as it provides the most feasible and cost-effective solution to provide adequate water, provide looping within the system, reduce water loss, reduce the need for flushing, and will help balance system pressure.

ENVIRONMENTAL IMPACT SUMMARY:

1. Primary Impacts

- a. Construction: Blowing dust, temporary surface disruption, and noise from construction equipment will occur during construction, but these impacts are expected to be minor and temporary in nature.
- b. Environmental: Environmental impacts of the project are expected to be temporary in nature. The proposed improvements will allow the water system to operate more efficiently and provide safe and reliable drinking water to the city's customers for the next 20 years.
- c. Financial: The current average residential user charge for drinking water is \$58.85 per 5,000 gallons. The proposed project is expected to increase the city's average monthly residential user charge for drinking water to \$77.16 per 5,000 gallons.

2. Secondary:

- a. Population Impacts: This project is designed to serve the existing water system. No relocation of people or structures is anticipated.
- b. Land Use and Trends: The project is located within the city limits of Paris. No significant change in land use trends is expected to result from this project.

- c. Environmental: No significant secondary environmental impacts are expected as a result of this project.
3. Mitigation Measures Necessary to Eliminate Adverse Environmental Effects: Noise, dust. And erosion normally associated with construction will be minimized by good engineering and construction practices. Restoration of disturbed areas along the water mains will be undertaken after construction is complete. Any debris such as demolition and construction waste, trees, or brush, will be disposed of properly.

A cultural resource survey was conducted for the project. The survey was conducted by Mustardseed Cultural & Environmental Services, LLC, and for review in August of 2022. It was concluded that no further cultural resource investigation is recommended for the area.
4. Irreversible and Irretrievable Commitment of Resources: Fuel, chemicals, and construction materials will be irretrievably committed to the project. Future funds will be committed to the operation and maintenance of the water system.
5. Positive Environmental Effects to be Realized from the Proposed Project: The proposed improvements to the city's system will help provide better water quality, improve operations, reduce water loss, improve fire protection, and provide more reliability throughout the system.
6. Reasons for Concluding there will be No Significant Impact: The proposed project will have a positive impact on water quality and reliability. Population densities and land use trends will not be significantly affected. Where minor impacts occur, appropriate mitigation measures are planned.

PUBLIC PARTICIPATION:

1. Public Involvement: The city conducted a public meeting to discuss the proposed project improvements, the engineering alternatives, and environmental impacts of the project on March 5, 2024, at 25804 Business Hwy 24 in Paris, Missouri. Notice of the meeting appeared on January 25, 2024, in Ralls County Herald-Enterprise
2. Public Opposition or Opinions: No adverse comments on the proposed project were received.

COORDINATION AND DOCUMENTATION WITH OTHER AGENCIES AND SPECIAL INTEREST GROUPS:

1. Facility Plan:
 - McClure Paris Water System Improvements Preliminary Engineering Report dated May 3, 2019
 - Environmental Impact Document dated February 2024 prepared by McClure
2. Federal: ☒ U.S.F.W.S. ☒ Corps of Engineers

3. State:

Environmental Notices

- a. Missouri Department of Natural Resources – Division of State Parks
- b. Missouri Department of Natural Resources – Missouri Geological Survey
- c. Missouri Office of Administration – Federal Assistance Clearinghouse
- d. Missouri Department of Conservation

Historical and Cultural Notices

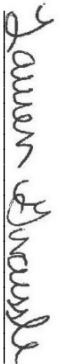
- a. Missouri Department of Natural Resources – State Historic Preservation Office
- b. Native American Tribes


4. Consulting Engineer: McClure, Inc.
107 Butler Street
P.O. Box 366
Macon, MO 63552

This action is taken on the basis of a careful review of the facility plan on file in the office of the Department of Natural Resources' Financial Assistance Center at 1101 Riverside Drive, Jefferson City, MO 65101. These are available for public review upon request Monday through Friday, 8:00 a.m. to 5:00 p.m. This agency will not take any administrative action on this project for at least 30 calendar days from the date of this document. Persons wishing to comment on the above environmental decision may submit comments to Lauren Graessle, P.E., of the Department of Natural Resources, Financial Assistance Center, P.O. Box 176, Jefferson City, MO 65102-0176, during this period. Thank you.

Sincerely,

FINANCIAL ASSISTANCE CENTER


Lauren Graessle, P.E.
Acting Director


Eric Linger
Assistant Engineer

LG:elc

Attachments

March 19, 2024
Date _____

DISTRIBUTION

Department of Conservation
P.O. Box 180
Jefferson City, MO 65102

Conservation Federation of Missouri
728 West Main Street
Jefferson City, MO 65101

U.S. Environmental Protection Agency
c/o Carter Tharp – WWPD/SRFB
Tharp.carter@epamail.epa.gov

Missouri Department of Natural Resources
Missouri Geological Survey
Environmental Geology Section
P.O. Box 250
Rolla, MO 65402-0250

Missouri Department of Natural Resources
Division of State Parks
State Historic Preservation Office
P.O. Box 176
Jefferson City, MO 65102-0176

U.S. Fish and Wildlife Service
Ecological Services
101 Park DeVille Drive, Suite A
Columbia, MO 65203-0057

National Park Service
Midwest Region
mwro_compliance@nps.gov

USDA Rural Development
601 Business Loop 70 West
235 Parkade Center
Columbia, MO 65203

Gilmore and Bell, P.C.
c/o Shannon Walsh Creighton
One Metropolitan Square
211 North Broadway, Suite 2000
St. Louis, MO 63102-2741

Osage Nation Historic Preservation Office
627 Grandview
Pawhuska, OK 74056

SRF File DW291159-03

City of Paris
c/o Barb McCall
25804 Business Highway 24
Paris, MO 65275-1299

McClure, Inc.
c/o Philip Wilson, P.E.
107 Butler Street
P.O. Box 366
Macon, MO 63552

Missouri Department of Natural Resources
Northeast Regional Office
1709 Prospect Drive
Macon, MO 63552-2602

Paris Monroe County Appeal
209 North Main Street
Paris, MO 65275

Environmental Protection Agency
Office of Federal Activities
Ariel Rios (2252A)
1200 Pennsylvania Avenue, N.W.
Washington, DC 20004

Council of Environmental Quality
722 Jackson Place, N.W.
Washington, DC 20503

U.S. Army Corps of Engineers
St. Louis District
1222 Spruce Street
St. Louis, MO 63103

Mark Twain Regional Council of Governments
42494 Delaware Lane
Perry, MO 63462

Lewis, Rice
c/o David Brown
600 Washington Avenue, Suite 2500
St. Louis, MO 63102

Attached Maps

1. State Map/Project Location Map
2. Project Location Map

State of Missouri

City of Paris, MO



Project Location Map

